

Santa Ana River - Mill Creek Cooperative Water Project

Daily Flow Report Summary

Date: 2/8/2022

Time: 6:50:00 AM

Santa Ana River		Flow Rate (cfs)
A5	Total SAR Inflows	37.5
N2	Total SAR Deliveries	37.5
A1	SAR PH#3 Penstock (calc)	13.4
B1	BVMWC Highline	5.5
C1	Greenspot Pipeline	0.0
L2	SBVWCD Parshall Flume	22.2
G2	North Fork Canal Weir	3.3
H2	Edwards Canal	0.9
W1	Redlands Aqueduct (calc)	5.6
	Other	0.0

State Water Project		Flow Rate (cfs)
G	Total SWP Inflows	0.0
V	Total SWP Deliveries	0.0
J	Northfork Canal	0.0
L	Redlands Aqueduct	0.0
M	Crafton Unger Lane	0.0
T	Newport to BVMWC	0.0

Mill Creek		Flow Rate (cfs)
D3	Total MC Inflows	13.3
U3	Total MC Deliveries	13.3
K3	Yucaipa Pipeline	0.0
O3	SBVWCD Spreading	4.0
T3	MC #1 Flow (Cooley Hat)	13.3

Reservoir Levels	Feet
Observation at SOD	N/A
Crafton Reservoir Level (21.3)	18.5
Mentone Reservoir Level	20.4

River Recharge	AF
Estimate SAR Recharge (AF)	0
Estimate Mill Creek Recharge (AF)	0
Estimated Total River Recharge (AF)	0

Location	Type	WY to Date (AF)	Target
Santa Ana River	SAR	5,482	176,000
Santa Ana River to Mill Creek	SAR-MC	229	0
Santa Ana River	SWP	0	0
Mill Creek	MC	804	106,000
Mill Creek	SWP	9	0
Plunge Creek	PLC	815	0

Notes: Numbers on the Daily Flow Report are a snapshot of water at a given location at the time of the read, normally very early in the morning, and not necessarily what is at that location through out the day.

Daily Flow Report

2/8/2022
6:50:00 AM

State Water Project											
Inflows			Deliveries								
A	BBMWD In-lieu	0.0	H	EVWD City Creek	0.0	M	Crafton Unger Lane	0.0	S	SBCFCD Grove	0.0
B	Muni test at Greenspot Station	0.0	I	Santa Ana Low Turnout	0.0	N	BVMWC Boullioun Box	0.0	T	Newport for BVMWC	0.0
C	Exchange Water	0.0	J	Northfork Canal	0.0	P	SARC West	0.0	U	M/C spreading at Zanja Tate	0.0
D	Purchased Water	0.0	K	Edwards Canal	0.0	Q	Zanja	0.0	W	Tres Lagos	0.0
E	Redlands Aqueduct Leakage	0.0	L	Redlands Aqueduct	0.0	R	Tate Treatment Plant	0.0	V	Total SWP Deliveries 0.0	
F	Recharge Project	0.0									
G	Total SWP Inflows 0.0										

Santa Ana River Inflows												
SAR PH #3 Penstock (calc)			BVMWC Highline			SOD Release Subtotal			Total SAR Inflows			
G2	Northfork Canal Weir	3.3	A2	Newport	0.0	D1	BVMWC River PU (USGS)	2.2	A1	SAR PH #3 Penstock (calc)	13.4	
H2	Edwards Canal	0.9	D2	Boullioun Box Weir	5.5	E1	Main River Gage (USGS)	16.4	B1	BVMWC Highline	5.5	
J2	Tailrace Valve to Parshall Flume	0.0	E2	Boullioun Box to Zanja	0.0	minus			C1	Greenspot Pipeline	0.0	
K2	Northfork Parshall Flume	5.8	F2	SBVWCD Mill Creek Spreading	0.0	F1	Greenspot Spill	4.4	D1	BVMWC River PU (USGS)	2.2	
V1	PH#3 Afterbay SpillLoss to SAR	0.0	B1	BVMWC Highline		Z1	SOD Release Subtotal		E1	Main River Gage (USGS)	16.4	
W1	Redlands Aqueduct / Sandbox	6.0							D18	BV Pick-Up gated	☐	
Y1	Redlands Sandbox Spill	0.0	Other						A5	Total SAR Inflows		37.5
		Minus	J1	Big Bear Lake Release	0.3	W	Observation at SOD	N/A	Edison Generation			
	BVMWC River PU (USGS)	2.2	L1	SCE SAR AVM (SCADA)	22.7	X	SOD Reservoir Elevation (scada)	2159.6	SAR PH#1 Generating			☐
I1	Redlands Tunnel	0.4	X1	SAR-MC Spread (Red. Aqueduct)	2.6	Y	Debris Pool Elevation	N/A	SAR PH#3 Generating			☒
A1	SAR PH #3 Penstock (calc)		13.4									
K1	PH3# Penstock (SCADA)		0.0									

Santa Ana River Deliveries											
Greenspot Pipeline			Tailrace Pipeline			SBVWCD Parshall FlumeTo Basins			Deliveries		
M1	SBCFCD Grove	0.0	G2	Northfork Canal Weir	3.3	J2	Tailrace Valve to Parshall Flume	0.0	V1	SAR PH #3 Afterbay Spill	0.0
N1	BVMWC Highline	0.0	H2	Edwards Canal	0.9	K2	Northfork Parshall Flume	5.8	W1	Redlands Aqueduct / Sandbox	6.0
O1	Newport for BVMWC	0.0	J2	Tailrace Valve to Parshall Flume	0.0	H1	SBVWCD Diversion	16.4	Y1	Redlands Sandbox Spill	0.0
P1	SBVWCD Mill Creek Spreading	0.0	K2	Northfork Parshall Flume	5.8				Z2	Cuttle Weir To River	0.0
Q1	Crafton WC Unger Lane	0.0	I2	Tailrace Pipeline	10.0				B1	BVMWC Highline	5.5
R1	BVMWC Highline to Boullioun	0.0							C1	Greenspot Pipeline	0.0
S1	Crafton WC Boullioun	0.0	Irrigation						I2	Tailrace Pipeline	10.0
T1	Tate Pump Station to Zanja	0.0	D2	Boullioun Box Weir	5.5				L2	SBVWCD Parshall Flume	22.2
C1	Greenspot Pipeline	0.0	N	BVMWC Boullioun Box	0.0				L2	Sedimentation Recharge	0.0
			minus						minus		
			B2	Gay Overflow	3.2				J2	Tailrace Valve to Parshall Flume	0.0
			C2	Irrigation	2.3				K2	Northfork Parshall Flume	5.8
									I1	Redlands Tunnel	0.4
									N2	Total SAR Deliveries	37.5

Mill Creek Inflows					
Total MC Inflows			Other		
A3	RPU Flow	7.2	E3	M/C #1 Penstock Flow	13.3
B3	M/C #3 Penstock	6.1	F3	Stream Parshall Flume to Yucaipa	0.0
C3	SBVWCD Mill Creek Diversion	0.0	G3	Observation at Garnet	0.0
D3	Total MC Inflows		13.3		

Mill Creek Deliveries											
Yucaipa Pipeline			MC #1 Flow (Cooley Hat)			Total MC Deliveries			Other		
H3	Yucaipa Regional Park	0.0	P3	Tate Inflow	10.0	C3	SBVWCD Mill Creek Diversion	0.0	H3	Mentone Reservoir Level	20.4
J3	Wilson Creek Spreading	0.0	Q3	East Weir to Mill Creek	1.4	T3	Mill Creek #1 Flow (Cooley Hat)	13.3	R3	Boullioun to BVMWC Highline	0.0
K3	Yucaipa Pipeline	0.0	S3	East Weir to Zanja	1.9	U3	Total MC Deliveries	13.3	V3	Zanja West Weir to CWC Canal	0.0
			MC #1 Flow (Cooley Hat)						Mill Creek PH #2,3 Afterbay Spill		
			T3		13.3				W3		0.0
			Cooley Hat (SCADA)						Y3	Crafton Reservoir Level (21.3)	18.5
			N3		15.5						
SBVWCD MC Spreading											
C3	SBVWCD Mill Creek Diversion	0.0									
L3	East Weir (MC)	1.4									
M3	BVHL (SAR)	0.0									
X1	SAR-MC Spread (Red. Aqueduct)	2.6									
O3	SBVWCD MC Spreading	4.0									

SBVWCD Recharge											
Location		Type	Previous Day (AF)			WY To Date (AF)		Target	Calendar Year To Date (AF)		Target
A4	Santa Ana River	SAR	E4	49.2		J4	5,482.1	176,000	J4	4,605.5	176,000
M4	Santa Ana Rvr to Mill Creek	SAR-MC	N4	4.3		O4	229.4		O4	145.6	
B4	Santa Ana River	SWP	F4	0.0		J4	0.0		J4	0.0	
C4	Mill Creek	MC	G4	2.4		K4	803.5	106,000	K4	181.5	106,000
D4	Mill Creek	SWP	H4	0.0		L4	8.7		L4	0.0	
	Plunge Creek	PLC		0.0			814.8			318.3	
SAR Passing Cattle Weir (cfs)		0	Share of Lost SAR Flow			Estimate SAR flow (cfs)		0	Estimate SAR Recharge (AF)		0
Mill Creek Passing Garnet (cfs)		0	Share of Lost Mill Creek Flow			Estimate Mill Creek flow (cfs)			Estimate Mill Creek Recharge (AF)		0
Flow in the River Above Alabama		0	Flowing Beyond Alabama			Total River Flow (cfs)		0	Total River Recharge (AF)		0